



Arkansas Wireless Information Network

Report to the

Joint Interim Committee on Advanced
Communications and Information
Technology

For the period ending October 31, 04



This report contains the following sections:

AWIN Program Status – a short description of the program, a list of the projects related to the program, and achievements of the program for the month.

ASP Network Upgrade Project Status – additional detail on the ASP Network Upgrade.

CSEPP Project Status -- additional detail on the ASP Network Upgrade.

Three County Pilot Project Status -- additional detail on the ASP Network Upgrade.



Arkansas Wireless Information Network

AWIN is a multi-phased approach to building the infrastructure to complete a statewide interoperable radio system across the counties command and control structure and state agencies. The first phase of the system will upgrade the existing Arkansas State Police (ASP) network to create the backbone for AWIN. The Arkansas Department of Emergency Management (ADEM) is integrating the planned upgrade to the Pine Bluff Chemical Stockpile Emergency Preparedness Plan (CSEPP) radio system into the first phase of AWIN. This effort will create operational efficiencies in both implementations. In addition, AWIN is working with three counties as a pilot program to build a fully interoperable radio system for these counties first responders. This effort will demonstrate the effectiveness of the operational design of AWIN.

Program Director:

Name: Gary Underwood

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Updated: 11/01/04

PROJECTS

Project Name	100%	On Schedule / No Major Issues	Schedule Slipping / Possible Issues	Behind Schedule / Major Issues
Arkansas State Police Upgrade	-	X	-	-
Chemical Stockpile Emergency Preparedness Plan (CSEPP)	-	X	-	-
Three County Pilot	-	X	-	-

Program Funding

Cost by identified Project:

ASP Network Upgrade	\$27,284,007.00
Three County Pilot	\$10,436,820.00
CSEPP	<u>\$11,281,523.00</u>
TOTAL COSTS	\$49,002,350.00

Funds Available:

Federal Earmark Appropriation (held by ASP)	\$500,000.00
Federal Emergency Management Agency (FEMA) – CSEPP	\$11,357,653.00
Office for Domestic Preparedness (ODP) Previous Grants	\$3,680,070.98
Office for Domestic Preparedness (ODP) FY04	<u>\$14,357,855.00</u>
TOTAL Grant Monies Available	\$29,895,578.98
Bond Proceeds	<u>\$22,145,000.00*</u>
TOTAL FUNDS AVAILABLE	\$52,040,578.98

DIFFERENCE

\$175,795.00**



*The actual costs of issuance, including underwriter's discount and original issuance discount, are expected to be approximately \$453,875. Other uses of funds include approximately \$95,930 for bond insurance, approximately \$2,161,000 for debt service reserve and approximately \$562,855 for capitalized interest.

**The difference results from project cost estimate for CSEPP being lower than the grant awards from the Federal Government.

Program Update

AWIN Management – The AWIN Program Management has moved to the Department of Information Systems (DIS). Gary Underwood has joined the staff at DIS as the Chief Technology Officer. Randy Wilcox has joined the staff at DIS as a Project Manager.

Local Leadership Council – The AWIN Steering Committee has begun meeting with the Local Leadership Council to address statewide issues and develop recommendations and strategies for the future of AWIN. The members of the Local Leadership Council are:

- Judge Sonny Cox, Assn of County Judges
- Doug Elkins, Executive Chief Information Officer
- Joe Gillenwater, Arkansas Quorum Court Association
- Chief James Green, Assn of Fire Chiefs
- John Luther, Ark Emergency Mgt Assn
- Charles Newton, Assn of Rural Fire Fighters
- Danny Ormand, Assn of Sheriffs
- Chief Montie Sims, Assn of Chiefs of Police

Strategic Planning -- The AWIN Steering Committee is moving forward with developing a Strategic plan for AWIN based on federal recommendations and best practices from other states that have implemented interoperable radio systems. Planned delivery is December 31, 04.

Document Management Methodology – A document management approach has been identified and is currently being tested. The methodology for storing AWIN project documentation is being developed.



Arkansas State Police Network Upgrade

The Arkansas State Police Network Upgrade will enhance the existing Arkansas State Police (ASP) network to create the backbone for AWIN. This effort will include the upgrade of existing towers, dispatch equipment and radios.

Project Manager

Name: Penny Rubow

Email: penny.rubow@arkansas.gov

Updated: 11/01/04

SUMMARY

Area	On Schedule / No Major Issues	Schedule Slipping / Possible Issues	Behind Schedule / Major Issues	Reason for Deviation
Schedule	X	-	-	-
Budget	X	-	-	-
Scope	X	-	-	-

SCHEDULE

Of the identified tasks, 13% have been completed. (See comments below)

There are 433 days remaining until project completion.

Phase	Start	End	Complete	Status
Contract	12/8/2003	2/2/2004	100%	Complete
Design Review	1/22/2004	6/30/2004	100%	Complete
Order Processing	7/1/2004	8/30/2004	100%	Complete
Manufacturing	2/27/2004	12/15/2004	45%	On-Track
Staging	7/29/2004	12/28/2004	50%	On-Track
Materials Management	8/20/2004	1/12/2005	15%	On-Track
Civil Work/FNE Installation (Milestone Dates)	7/1/2004	9/29/2005	15%	On-Track
TROOP A (Central Arkansas) FNE Installation Complete (4 Sites)	7/1/2004	5/2/05	4%	Not Started
TROOP B (NE Central Arkansas) FNE Installation Complete	10/12/04	9/19/05	1%	Not Started
TROOP C (NE Arkansas) FNE Installation Complete	02/23/05	11/18/05	1%	Not Started
TROOP D (East Central Arkansas)	08/31/04	12/22/05	1%	Not



FNE Installation Complete				Started
TROOP E (SE Central Arkansas) FNE Installation Complete	8/31/04	2/24/05	29%	On-Track
TROOP F (SE Arkansas) FNE Installation Complete	8/31/04	5/04/05	19%	On-Track
TROOP G (SW Arkansas) FNE Installation Complete	8/30/04	9/26/05	20%	On-Track
TROOP H (West Central Arkansas) FNE Installation Complete	08/16/04	8/25/05	13%	On-Track
TROOP I (North Central Arkansas) FNE Installation Complete	08/02/04	05/24/05	23%	On-Track
TROOP J (NW Central Arkansas) FNE Installation Complete	09/03/04	07/08/05	4%	Not Started
TROOP K (SW Central Arkansas) FNE Installation Complete	8/11/04	6/16/05/05	7%	On-Track
TROOP L (NW Arkansas) FNE Installation Complete	02/16/04	4/7/05	17%	On-Track
Finalize Outstanding Issues	02/04/04	1/10/2006	4%	-

Comments: Schedule Corrections: The overall schedule has been revised to reflect a more accurate sequence of antenna site cutover per the approved system wide cutover plan. Dates for some troop cutovers have been moved up, others moved out. The net result changes the percentage of tasks completed, but does not change the overall completion date.

Manufacturing: Radio equipment manufacturing is 50% complete and system build in staging is underway. Four towers and 38 of the generators have been delivered.

Civil work: National Forest Service roofs were completed during this period. Shelter foundation work continues.

Regulatory application process: is underway (National Environmental Protection Agency (NEPA), Federal Communications Commission (FCC), Federal Aviation Administration (FAA)). This process is taking longer than originally anticipated, due to issues arising out of the NEPA studies. The project team is tracking this closely and will adjust the schedule and resources accordingly to ensure that the project is delivered on schedule.

BUDGET

Total Budget	Expenditures	% of Budget	Status
\$27,284,007.00	\$4,073,955.00	15%	On Track

Comments: Invoices in the amount of \$940,163.50 and \$3,133,791.50 were paid to Motorola during this period. Two other invoices are in processes, but payment has not been sent.



SCOPE

Change Request	Schedule Impact	Budget Impact	Status
Obtain FCC Licenses for new towers being added as a result of the upgrade to the ASP System	None	\$19,950	In-Process

Comments:



Chemical Stockpile Emergency Preparedness Program (CSEPP)

The Chemical Stockpile Emergency Preparedness Program (CSEPP) was established to enhance the emergency preparedness in communities around the chemical stockpiles until the stockpiles are eliminated. The Pine Bluff Arsenal communicates daily with Jefferson and Grant counties and the Arkansas Department of Emergency Management to inform them of activities involving the stockpile.

The State of Arkansas CSEPP has received a FEMA grant to establish interoperable communications in Jefferson and Grant counties. In an effort to maintain a high level of integration and to judiciously use the available funding; this project has been incorporated into the AWIN effort.

Project Manager:

Name: Penny Rubow

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Updated: 11/01/04

SUMMARY

Area	On Schedule / No Major Issues	Schedule Slipping / Possible Issues	Behind Schedule / Major Issues	Reason for Deviation
Schedule	X	-	-	-
Budget	X	-	-	-
Scope	X	-	-	-

SCHEDULE

Phase	Start Date	End Date	% Complete	Status
Contract	12/8/2003	2/2/2004	100%	Complete
Design Review	1/22/2004	6/30/2004	100%	Complete
Order Processing	7/1/2004	8/30/2004	100%	Complete
Manufacturing	2/27/2004	12/15/2004	45%	On-Track
Staging	7/29/2004	12/28/2004	50%	On-Track
Materials Management	8/20/2004	1/12/2005	15%	On-Track
Civil Work/FNE Installation	7/1/2004	06/20/2005	15%	On-Track



(Milestone Dates)				
Jefferson Sites Operational	08/31/04	3/21/05	6%	On-Track
Grant Sites Operational	2/17/04	7/22/05	13%	On-Track

Comments: Schedule Correction: The overall schedule has been revised to reflect a more accurate sequence of antenna site cutover per the approved system wide cutover plan. Some troop cutovers are pulled-in and some moved out. The net result does not change the overall plan for completion. The CSEPP project activities and tasks are integrated with the ASP Network Upgrade, in order to provide for a smooth integration of all network equipment. Jefferson and Grant counties will become operational when those the ASP Troops in that area become operational.

Regulatory application process: is underway (National Environmental Protection Agency (NEPA), Federal Communications Commission (FCC), Federal Aviation Administration (FAA)). This process is taking longer than originally anticipated, due to issues arising out of the NEPA studies. The project team is tracking this closely and will adjust the schedule and resources accordingly to ensure that the project is delivered on schedule.

BUDGET

Total Budget	Expenditures	% of Budget	Status
\$11,281,523.00	\$0	%	On Track

Comments: No expenditures against the project were made during this period. Two invoices are in process and will be reported next month.

SCOPE

Change Request	Schedule Impact	Budget Impact	Status
Obtain FCC Licenses for new towers being added as a result of the CSEPP Project.	None	\$4,300	In-Process

Comments: None



Three County Pilot

The Arkansas Wireless Information Network (AWIN) Three County Pilot Project will provide the initial efforts to bring the interoperable network to the county and city level emergency responders level. The scope of the project is to work with Craighead, Lonoke, and Miller counties in building a fully interoperable radio system, based on Project 25 standards, for all public safety agencies in these counties. This project will provide additional infrastructure needed at the county level, upgraded dispatch units and integration into AWIN. Each county system will be considered part of the overall AWIN system. Further, a repeatable process will be identified that can be used as other counties integrate their infrastructure into AWIN.

Project Manager:

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Name: Randy Wilcox

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Updated: 11/01/04

SUMMARY

Area	On Schedule / No Major Issues	Schedule Slipping / Possible Issues	Behind Schedule / Major Issues	Reason for Deviation
Schedule	X	-	-	-
Budget	X	-	-	-
Scope	X	-	-	-

SCHEDULE

Phase	Start Date	End Date	% Complete	Status
Project Initiation and Planning	07/15/04	11/13/04	-	-
Preliminary Design	07/15/04	09/10/04	100%	On Track
Detailed Design	08/28/04	11/13/04	50%	On Track
Presentation of Detailed Design for Review and Approval	11/15/04	12/04/04		Not Started
Project Execution	-	-	-	-
Equipment Purchase	-	12/31/04	-	Not Started
Identify Frequencies	-	12/01/04	-	Not Started
Implementation	-	TBD	-	Not Started



Training	-	TBD	-	Not Started
Cutover	-	TBD	-	Not Started
Project Close-Out	-	-	-	-

Comments: Planning is still underway for this project. When planning is complete specific phases and milestones will be reported in this area.

BUDGET

Total Budget	Expenditures	% of Budget	Status
\$10,436,820.00	\$0	0%	On Track

Comments: This project is still in its initial stages. No charges have been made against the budget.

SCOPE

Change Request	Schedule Impact	Budget Impact	Status
Obtain FCC Licenses for new towers being added as a result of the Three County Pilot Project	None	\$7,140	In-Process

Comments: None